

JC639 U.S. PTO  
07/10/01Please type a plus sign (+) inside this box → PTO/SB/05 (03-01)  
Approved for use through 10/31/2002 OMB 0651-0032  
U S Patent and Trademark Office; U S DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	25471-P001US
First Inventor	SCHREIBER
Title	Diagnostic Use of Polymorphisms...
Express Mail Label No.	EM570630143US

APPLICATION ELEMENTS		ADDRESS TO:
See MPEP chapter 600 concerning utility patent application contents.		Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <input type="checkbox"/> \$ 6 9 3 . 0 0 (Submit an original and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages 55] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R &amp; D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description 21 pgs - Claim(s) 3 pgs - Abstract of the Disclosure - Sequence Coding 30 pgs</p> <p>4. <input type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 1] 5. Oath or Declaration <u>u n s i g n e d</u> [Total Pages 1] a. <input checked="" type="checkbox"/> Newly executed (original or copy) <u>u n s i g n e d</u> Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed) i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p>		<p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input checked="" type="checkbox"/> paper 30 pages attached to c. <input type="checkbox"/> Statements verifying identity of above copies</p>
ACCOMPANYING APPLICATION PARTS		
<p>9. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of (when there is an assignee) <input type="checkbox"/> Attorney 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent 17. <input type="checkbox"/> <u>u n s i g n e d</u> Domestic Representative Other: <u>C.e.r.t....o.f...Mai.ling....</u></p>		

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_

Prior application information.

Examiner \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label	(Insert Customer No. or Attach Bar code label here)			or <input type="checkbox"/> Correspondence address below	
Name	James J. Murphy				
Address	Winstead Sechrest & Minick P.C. P.O. Box 50784, 1201 Main Street				
	Dallas	State	Texas	Zip Code	
City	Dallas	State	Texas	Zip Code	75250
Country	US	Telephone	(214) 745-5374	Fax	(214) 745-5390
Name (Print/Type)	James J. Murphy	Registration No. (Attorney/Agent)	34,503		
Signature				Date	July 10, 2001

Burden Hour Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U S Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

11000 U.S. PTO  
09/902176

07/10/01

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

# FEE TRANSMITTAL

## for FY 2001

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT (\$ 693.00)

## Complete if Known

Application Number			
Filing Date	July , 2001		
First Named Inventor	SCHREIBER		
Examiner Name			
Group Art Unit			
Attorney Docket No.	25471-P001US		

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **23-2426**

Deposit Account Name **Winstead Sechrest & Minick P.C.**

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101	710	201	355
106	320	206	160
107	490	207	245
108	710	208	355
114	150	214	75
SUBTOTAL (1) (\$ 355.00)			

## 2. EXTRA CLAIM FEES

Extra Claims	Fee from below	Fee Paid
22	-20** = 2 X 9 = 18	
11	- 3** = 8 X 40 = 320	

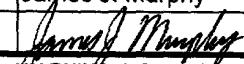
## Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description		
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$ 693.00)				

\*or number previously paid, if greater; For Reissues, see above

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY		Complete if applicable	
Name (Print/Type)	James J. Murphy	Registration No. (Attorney/Agent)	34,503
Signature		Telephone	(214) 745-5374
Date	July 10, 2001		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U S Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

07/01/01

A

Attorney Docket No.  
25481-P001US

PATENT APPLICATION

07/10/01  
J693US  
PTO

CERTIFICATE OF MAILING BY "U.S. EXPRESS MAIL"  
Under 37 C.F.R. 1.10(c)

"Express Mail" Mailing Label Number: EM\_570\_630\_143US  
Date of Deposit: July 10, 2000

This 55 pages of Application (including 21 pages of specification, 3 pages of claims, 1 page of abstract and 30 pages of Sequence Listing), no drawings, 5 page unexecuted Declaration and Power of Attorney combined document pending signature by the inventors, 3 page unexecuted PTO/SB/01 Declaration of Utility of Design Patent Application pending signature by the inventors and unexecuted PTO/SB/81 Power of Attorney or Authorization of Agent document pending signature by the inventors, along with the 1 page unexecuted Designation of Domestic Representative pending signature of the inventors and the PTO/SB17 Filing Fee Transmittal Sheet claiming SMALL ENTITY status and its check in the amount of \$693.00 small entity application filing fees accompanied by the PTO/SB/05 Utility Patent Application Transmittal (also claiming small entity status), the 2 page Application Data Sheet, return receipt post card and this Certificate of Mailing, are being deposited with sufficient postage with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

S. Taylor Lenz  
S. Taylor Lenz

Signed: July 10, 2001

**DIAGNOSTIC USE OF POLYMORPHISMS IN THE GENE CODING FOR THE TNF RECEPTOR II AND METHODS FOR DETECTING NON-RESPONDERS TO ANTI-TNF THERAPY**

SCHREIBER, Stefan  
Moltkestrasse 77  
D-24105 Kiel, Germany

Citizenship: Germany

HAMPE, Jochen  
Heidekampweg 4  
D-12437 Berlin, Germany

Citizenship: Germany

MASCHERETTI, Silvia  
Sternstrasse 9

Citizenship: Italy

DALLAS\_1\3503384\1  
07/06/2001 - 25481-P001US

D-24103 Kiel, Germany